

## ABSTRACT

The invention relates to a method of automatically configuring a HART multidrop system comprising a master device (1) and a plurality of slave devices ( $2_1, \dots, 2_{15}$ ) connected to said master device (1). The invention also relates to a HART multidrop system customized for the implementation of the method according to the present invention. The method according to the present invention has the following steps:

- a) connecting the slave devices ( $2_1, \dots, 2_{15}$ ) to the master device (1),
- b) switching on the power source (3) for the slave devices ( $2_1, \dots, 2_{15}$ ) in the master device (1);
- 10 c) transmitting the HART command "Write polling address" as a broadcast command from the master device (1) with a polling address not equal to zero causing all slave devices ( $2_1, \dots, 2_{15}$ ) connected to the master device (1) to be automatically switched to the multidrop mode and all slave devices ( $2_1, \dots, 2_{15}$ ) to obtain an identical address not equal to zero,
- 15 d) changing the addresses for all slave devices ( $2_1, \dots, 2_{15}$ ) from an identical address to a unique address for each slave device ( $2_1, \dots, 2_{15}$ ).

(Fig. 1)